SEQUENCE LISTING

<110> The Government of the United States of America, represented by the Secretary, Department of Health and Human Services

<120> T20/DP178 AND T21/DP107 ARE ACTIVATORS OF HUMAN PHAGOCYTE FORMYL PEPTIDE RECEPTORS

<130> NIH171.001C1

<150> PCT/US00/12371
<151> 2000-05-05

<150> 60/132,686
<151> 1999-05-05

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<400> 91
Lys Trp Ala Ser Leu Trp Asn Trp Phe
1 5

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<400> 92
Trp Ala Ser Leu Trp Asn Trp Phe
1 5

<210> 93
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<400> 93
Ala Ser Leu Trp Asn Trp Phe
1 5

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<400> 94
Ser Leu Trp Asn Trp Phe
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<400> 95
Leu Trp Asn Trp Phe
1 5

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<400> 97
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<400> 98
Asn Asn Leu Leu Arg
1 5

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<400> 99
Asn Asn Leu Leu Arg Ala
1 5

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<400> 100
Asn Asn Leu Leu Arg Ala Ile
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<210> 101
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<400> 101
Asn Asn Leu Leu Arg Ala Ile Glu
1 5

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Asn Asn Leu Leu Arg Ala Ile Glu Ala
1 5

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Asn Asn Leu Leu Arg Ala Ile Glu Ala Gln
1 5 10

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<400> 104
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1 5 10

<210> 105
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<400> 105
Asn Asn Leu Leu Arg Ala Ile Glu Ala Gln Gln His
1 5 10

<210> 106
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<220>
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<400> 106
Asn Asn Leu Leu Arg Ala Ile Glu Ala Gln Gln His Leu
1 5 10

<210> 107
<211> 14
<212> PRT
<213> Artificial Sequence

<220>
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<400> 107
Asn Asn Leu Leu Arg Ala Ile Glu Ala Gln Gln His Leu Leu
1 5 10

<210> 108
<211> 15
<212> PRT
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<220>
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<400> 108
Asn Asn Leu Leu Arg Ala Ile Glu Ala Gln Gln His Leu Leu Gln
1 5 10 15

<210> 109
<211> 16
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<400> 109
Asn Asn Leu Leu Arg Ala Ile Glu Ala Gln Gln His Leu Leu Gln Leu
1 5 10 15

<210> 110
<211> 17
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<400> 110
Asn Asn Leu Leu Arg Ala Ile Glu Ala Gln Gln His Leu Leu Gln Leu
1 5 10 15
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<210> 111
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<220>
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<400> 111
Asn Asn Leu Leu Arg Ala Ile Glu Ala Gln Gln His Leu Leu Gln Leu
1 5 10 15
Thr Val

<210> 112
<211> 19
<212> PRT
<213> Artificial Sequence

<220>
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<400> 112
Asn Asn Leu Leu Arg Ala Ile Glu Ala Gln Gln His Leu Leu Gln Leu
1 5 10 15
Thr Val Trp

<210> 113
<211> 20
<212> PRT
<213> Artificial Sequence

<220>
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<400> 113
Asn Asn Leu Leu Arg Ala Ile Glu Ala Gln Gln His Leu Leu Gln Leu
1 5 10 15
Thr Val Trp Gly
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<210> 114
<211> 21
<212> PRT
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<220>
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<400> 114
Asn Asn Leu Leu Arg Ala Ile Glu Ala Gln Gln His Leu Leu Gln Leu
1 5 10 15
Thr Val Trp Gly Ile
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<210> 115
<211> 22
<212> PRT
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<220>
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<400> 115
Asn Asn Leu Leu Arg Ala Ile Glu Ala Gln Gln His Leu Leu Gln Leu
1 5 10 15
Thr Val Trp Gly Ile Lys
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<210> 116
<211> 23
<212> PRT
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<220>
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<400> 116
Asn Asn Leu Leu Arg Ala Ile Glu Ala Gln Gln His Leu Leu Gln Leu
1 5 10 15
Thr Val Trp Gly Ile Lys Gln
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<210> 117
<211> 24
<212> PRT
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<220>
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<400> 117
Asn Asn Leu Leu Arg Ala Ile Glu Ala Gln Gln His Leu Leu Gln Leu
1 5 10 15
Thr Val Trp Gly Ile Lys Gln Leu
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<210> 118
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<212> PRT
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<220>
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<400> 118
Asn Asn Leu Leu Arg Ala Ile Glu Ala Gln Gln His Leu Leu Gln Leu
1 5 10 15
Thr Val Trp Gly Ile Lys Gln Leu
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<210> 119
<211> 26

<212> PRT
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<220>
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<400> 119
Asn Asn Leu Leu Arg Ala Ile Glu Ala Gln Gln His Leu Leu Gln Leu
1 5 10 15
Thr Val Trp Gly Ile Lys Gln Leu Gln Ala
20 25

<210> 120
<211> 27
<212> PRT
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<220>
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<400> 120
Asn Asn Leu Leu Arg Ala Ile Glu Ala Gln Gln His Leu Leu Gln Leu
1 5 10 15
Thr Val Trp Gly Ile Lys Gln Leu Gln Ala Arg
20 25

<210> 121
<211> 28
<212> PRT
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<220>
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<400> 121
Asn Asn Leu Leu Arg Ala Ile Glu Ala Gln Gln His Leu Leu Gln Leu
1 5 10 15
Thr Val Trp Gly Ile Lys Gln Leu Gln Ala Arg Ile
20 25

<210> 122
<211> 29
<212> PRT
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<220>
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<400> 122
Asn Asn Leu Leu Arg Ala Ile Glu Ala Gln Gln His Leu Leu Gln Leu
1 5 10 15
Thr Val Trp Gly Ile Lys Gln Leu Gln Ala Arg Ile Leu

20 25

<210> 123
<211> 30
<212> PRT
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<220>
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<400> 123
Asn Asn Leu Leu Arg Ala Ile Glu Ala Gln Gln His Leu Leu Gln Leu
1 5 10 15
Thr Val Trp Gly Ile Lys Gln Leu Gln Ala Arg Ile Leu Ala
20 25 30

<210> 124
<211> 31
<212> PRT
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<220>
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<400> 124
Asn Asn Leu Leu Arg Ala Ile Glu Ala Gln Gln His Leu Leu Gln Leu
1 5 10 15
Thr Val Trp Gly Ile Lys Gln Leu Gln Ala Arg Ile Leu Ala Val
20 25 30

<210> 125
<211> 32
<212> PRT
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<220>
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<400> 125
Asn Asn Leu Leu Arg Ala Ile Glu Ala Gln Gln His Leu Leu Gln Leu
1 5 10 15
Thr Val Trp Gly Ile Lys Gln Leu Gln Ala Arg Ile Leu Ala Val Glu
20 25 30

<210> 126
<211> 33
<212> PRT
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<220>
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<400> 126
Asn Asn Leu Leu Arg Ala Ile Glu Ala Gln Gln His Leu Leu Gln Leu
1 5 10 15
Thr Val Trp Gly Ile Lys Gln Leu Gln Ala Arg Ile Leu Ala Val Glu
20 25 30
Arg

<210> 127
<211> 34
<212> PRT
<213> Artificial Sequence

<220>
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<400> 127
Asn Asn Leu Leu Arg Ala Ile Glu Ala Gln Gln His Leu Leu Gln Leu
1 5 10 15
Thr Val Trp Gly Ile Lys Gln Leu Gln Ala Arg Ile Leu Ala Val Glu
20 25 30
Arg Tyr

<210> 128
<211> 35
<212> PRT
<213> Artificial Sequence

<220>
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<400> 128
Asn Asn Leu Leu Arg Ala Ile Glu Ala Gln Gln His Leu Leu Gln Leu
1 5 10 15
Thr Val Trp Gly Ile Lys Gln Leu Gln Ala Arg Ile Leu Ala Val Glu
20 25 30
Arg Tyr Leu
35

<210> 129
<211> 36
<212> PRT
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<220>
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<400> 129
Asn Asn Leu Leu Arg Ala Ile Glu Ala Gln Gln His Leu Leu Gln Leu
1 5 10 15

Thr Val Trp Gly Ile Lys Gln Leu Gln Ala Arg Ile Leu Ala Val Glu
20 25 30
Arg Tyr Leu Lys
35

<210> 130
<211> 37
<212> PRT
<213> Artificial Sequence

<220>
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<400> 130
Asn Asn Leu Leu Arg Ala Ile Glu Ala Gln Gln His Leu Leu Gln Leu
1 5 10 15
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20 25 30
Arg Tyr Leu Lys Asp
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<210> 131
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<212> PRT
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<220>
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<400> 131
Leu Lys Asp Gln
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<210> 132
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<400> 132
Leu Lys Asp Gln
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<210> 133
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<400> 133
Arg Tyr Leu Lys Asp Gln
1 5

<210> 134
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<400> 134
Glu Arg Tyr Leu Lys Asp Gln
1 5

<210> 135
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<400> 135
Val Glu Arg Tyr Leu Lys Asp Gln
1 5

<210> 136
<211> 9
<212> PRT
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<220>
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<400> 136
Ala Val Glu Arg Tyr Leu Lys Asp Gln
1 5

<210> 137
<211> 10
<212> PRT
<213> Artificial Sequence

<220>
<223> Artificial Peptide

<400> 137

Leu Ala Val Glu Arg Tyr Leu Lys Asp Gln
1 5 10

<210> 138
<211> 11
<212> PRT
<213> Artificial Sequence

<220>
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<400> 138
Ile Leu Ala Val Glu Arg Tyr Leu Lys Asp Gln
1 5 10

<210> 139
<211> 12
<212> PRT
<213> Artificial Sequence

<220>
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<400> 139
Arg Ile Leu Ala Val Glu Arg Tyr Leu Lys Asp Gln
1 5 10

<210> 140
<211> 13
<212> PRT
<213> Artificial Sequence

<220>
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<400> 140
Ala Arg Ile Leu Ala Val Glu Arg Tyr Leu Lys Asp Gln
1 5 10

<210> 141
<211> 14
<212> PRT
<213> Artificial Sequence

<220>
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<400> 141
Gln Ala Arg Ile Leu Ala Val Glu Arg Tyr Leu Lys Asp Gln
1 5 10

<210> 142
<211> 15
<212> PRT
<213> Artificial Sequence

<220>
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<400> 142
Leu Gln Ala Arg Ile Leu Ala Val Glu Arg Tyr Leu Lys Asp Gln
1 5 10 15

<210> 143
<211> 16
<212> PRT
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<220>
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<400> 143
Gln Leu Gln Ala Arg Ile Leu Ala Val Glu Arg Tyr Leu Lys Asp Gln
1 5 10 15

<210> 144
<211> 17
<212> PRT
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<220>
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<400> 144
Lys Gln Leu Gln Ala Arg Ile Leu Ala Val Glu Arg Tyr Leu Lys Asp
1 5 10 15
Gln

<210> 145
<211> 18
<212> PRT
<213> Artificial Sequence

<220>
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<400> 145
Ile Lys Gln Leu Gln Ala Arg Ile Leu Ala Val Glu Arg Tyr Leu Lys
1 5 10 15
Asp Gln

<210> 146
<211> 19
<212> PRT
<213> Artificial Sequence

<220>
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<400> 146
Gly Ile Lys Gln Leu Gln Ala Arg Ile Leu Ala Val Glu Arg Tyr Leu
1 5 10 15
Lys Asp Gln

<210> 147
<211> 20
<212> PRT
<213> Artificial Sequence

<220>
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<400> 147
Trp Gly Ile Lys Gln Leu Gln Ala Arg Ile Leu Ala Val Glu Arg Tyr
1 5 10 15
Leu Lys Asp Gln
20

<210> 148
<211> 21
<212> PRT
<213> Artificial Sequence

<220>
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<400> 148
Val Trp Gly Ile Lys Gln Leu Gln Ala Arg Ile Leu Ala Val Glu Arg
1 5 10 15
Tyr Leu Lys Asp Gln
20

<210> 149
<211> 22
<212> PRT
<213> Artificial Sequence

<220>
<223> Artificial Peptide

<400> 149
Thr Val Trp Gly Ile Lys Gln Leu Gln Ala Arg Ile Leu Ala Val Glu
1 5 10 15
Arg Tyr Leu Lys Asp Gln
20

<210> 150
<211> 23
<212> PRT
<213> Artificial Sequence

<220>
<223> Artificial Peptide

<400> 150
Leu Thr Val Trp Gly Ile Lys Gln Leu Gln Ala Arg Ile Leu Ala Val
1 5 10 15
Glu Arg Tyr Leu Lys Asp Gln
20

<210> 151
<211> 24
<212> PRT
<213> Artificial Sequence

<220>
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<400> 151
Gln Leu Thr Val Trp Gly Ile Lys Gln Leu Gln Ala Arg Ile Leu Ala
1 5 10 15
Val Glu Arg Tyr Leu Lys Asp Gln
20

<210> 152
<211> 25
<212> PRT
<213> Artificial Sequence

<220>
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<400> 152
Leu Gln Leu Thr Val Trp Gly Ile Lys Gln Leu Gln Ala Arg Ile Leu
1 5 10 15
Ala Val Glu Arg Tyr Leu Lys Asp Gln
20 25

<210> 153
<211> 26
<212> PRT

<213> Artificial Sequence

<220>
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<400> 153
Leu Leu Gln Leu Thr Val Trp Gly Ile Lys Gln Leu Gln Ala Arg Ile
1 5 10 15
Leu Ala Val Glu Arg Tyr Leu Lys Asp Gln
20 25

<210> 154
<211> 27
<212> PRT
<213> Artificial Sequence

<220>
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<400> 154
His Leu Leu Gln Leu Thr Val Trp Gly Ile Lys Gln Leu Gln Ala Arg
1 5 10 15
Ile Leu Ala Val Glu Arg Tyr Leu Lys Asp Gln
20 25

<210> 155
<211> 28
<212> PRT
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<220>
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<400> 155
Gln His Leu Leu Gln Leu Thr Val Trp Gly Ile Lys Gln Leu Gln Ala
1 5 10 15
Arg Ile Leu Ala Val Glu Arg Tyr Leu Lys Asp Gln
20 25

<210> 156
<211> 29
<212> PRT
<213> Artificial Sequence

<220>
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<400> 156
Gln Gln His Leu Leu Gln Leu Thr Val Trp Gly Ile Lys Gln Leu Gln
1 5 10 15
Ala Arg Ile Leu Ala Val Glu Arg Tyr Leu Lys Asp Gln
20 25

<210> 157
<211> 30
<212> PRT
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<220>
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<400> 157
Ala Gln Gln His Leu Leu Gln Leu Thr Val Trp Gly Ile Lys Gln Leu
1 5 10 15
Gln Ala Arg Ile Leu Ala Val Glu Arg Tyr Leu Lys Asp Gln
20 25 30

<210> 158
<211> 31
<212> PRT
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<220>
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<400> 158
Glu Ala Gln Gln His Leu Leu Gln Leu Thr Val Trp Gly Ile Lys Gln
1 5 10 15
Leu Gln Ala Arg Ile Leu Ala Val Glu Arg Tyr Leu Lys Asp Gln
20 25 30

<210> 159
<211> 32
<212> PRT
<213> Artificial Sequence

<220>
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<400> 159
Ile Glu Ala Gln Gln His Leu Leu Gln Leu Thr Val Trp Gly Ile Lys
1 5 10 15
Gln Leu Gln Ala Arg Ile Leu Ala Val Glu Arg Tyr Leu Lys Asp Gln
20 25 30

<210> 160
<211> 33
<212> PRT
<213> Artificial Sequence

<220>
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<400> 160
Ala Ile Glu Ala Gln Gln His Leu Leu Gln Leu Thr Val Trp Gly Ile
1 5 10 15
Lys Gln Leu Gln Ala Arg Ile Leu Ala Val Glu Arg Tyr Leu Lys Asp
20 25 30
Gln

<210> 161
<211> 34
<212> PRT
<213> Artificial Sequence

<220>
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<400> 161
Arg Ala Ile Glu Ala Gln Gln His Leu Leu Gln Leu Thr Val Trp Gly
1 5 10 15
Ile Lys Gln Leu Gln Ala Arg Ile Leu Ala Val Glu Arg Tyr Leu Lys
20 25 30
Asp Gln

<210> 162
<211> 35
<212> PRT
<213> Artificial Sequence

<220>
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<400> 162
Leu Arg Ala Ile Glu Ala Gln Gln His Leu Leu Gln Leu Thr Val Trp
1 5 10 15
Gly Ile Lys Gln Leu Gln Ala Arg Ile Leu Ala Val Glu Arg Tyr Leu
20 25 30
Lys Asp Gln
35

<210> 163
<211> 36
<212> PRT
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<220>
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<400> 163
Leu Leu Arg Ala Ile Glu Ala Gln Gln His Leu Leu Gln Leu Thr Val
1 5 10 15
Trp Gly Ile Lys Gln Leu Gln Ala Arg Ile Leu Ala Val Glu Arg Tyr

20 25 30
Leu Lys Asp Gln
35

<210> 164
<211> 37
<212> PRT
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<220>
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<400> 164
Asn Leu Leu Arg Ala Ile Glu Ala Gln Gln His Leu Leu Gln Leu Thr
1 5 10 15
Val Trp Gly Ile Lys Gln Leu Gln Ala Arg Ile Leu Ala Val Glu Arg
20 25 30
Tyr Leu Lys Asp Gln
35

<210> 165
<211> 38
<212> PRT
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<220>
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<400> 165
Asn Asn Leu Leu Arg Ala Ile Glu Ala Gln Gln His Leu Leu Gln Leu
1 5 10 15
Thr Val Trp Gly Ile Lys Gln Leu Gln Ala Arg Ile Leu Ala Val Glu
20 25 30
Arg Tyr Leu Lys Asp Gln
35

<210> 166
<211> 34
<212> PRT
<213> Artificial Sequence

<220>
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<400> 166
Arg Ala Ile Glu Ala Gln Gln His Leu Leu Gln Leu Thr Val Trp Gly
1 5 10 15
Ile Lys Gln Leu Gln Ala Arg Ile Leu Ala Val Glu Arg Tyr Leu Lys
20 25 30
Asp Gln

<210> 167
<211> 33
<212> PRT
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<220>
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<400> 167
Ala Ile Glu Ala Gln Gln His Leu Leu Gln Leu Thr Val Trp Gly Ile
1 5 10 15
Lys Gln Leu Gln Ala Arg Ile Leu Ala Val Glu Arg Tyr Leu Lys Asp
20 25 30
Gln

<210> 168
<211> 32
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<220>
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<400> 168
Ile Glu Ala Gln Gln His Leu Leu Gln Leu Thr Val Trp Gly Ile Lys
1 5 10 15
Gln Leu Gln Ala Arg Ile Leu Ala Val Glu Arg Tyr Leu Lys Asp Gln
20 25 30

<210> 169
<211> 31
<212> PRT
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<400> 169
Glu Ala Gln Gln His Leu Leu Gln Leu Thr Val Trp Gly Ile Lys Gln
1 5 10 15
Leu Gln Ala Arg Ile Leu Ala Val Glu Arg Tyr Leu Lys Asp Gln
20 25 30

<210> 170
<211> 30
<212> PRT
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<400> 170
Ala Gln Gln His Leu Leu Gln Leu Thr Val Trp Gly Ile Lys Gln Leu
1 5 10 15
Gln Ala Arg Ile Leu Ala Val Glu Arg Tyr Leu Lys Asp Gln
20 25 30

<210> 171
<211> 29
<212> PRT
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<400> 171
Gln Gln His Leu Leu Gln Leu Thr Val Trp Gly Ile Lys Gln Leu Gln
1 5 10 15
Ala Arg Ile Leu Ala Val Glu Arg Tyr Leu Lys Asp Gln
20 25

<210> 172
<211> 28
<212> PRT
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<220>
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<400> 172
Gln His Leu Leu Gln Leu Thr Val Trp Gly Ile Lys Gln Leu Gln Ala
1 5 10 15
Arg Ile Leu Ala Val Glu Arg Tyr Leu Lys Asp Gln
20 25

<210> 173
<211> 27
<212> PRT
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<220>
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<400> 173
His Leu Leu Gln Leu Thr Val Trp Gly Ile Lys Gln Leu Gln Ala Arg
1 5 10 15
Ile Leu Ala Val Glu Arg Tyr Leu Lys Asp Gln
20 25

<210> 174
<211> 26

<212> PRT
<213> Artificial Sequence

<220>
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<400> 174
Leu Leu Gln Leu Thr Val Trp Gly Ile Lys Gln Leu Gln Ala Arg Ile
1 5 10 15
Leu Ala Val Glu Arg Tyr Leu Lys Asp Gln
20 25

<210> 175
<211> 25
<212> PRT
<213> Artificial Sequence

<220>
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<400> 175
Leu Gln Leu Thr Val Trp Gly Ile Lys Gln Leu Gln Ala Arg Ile Leu
1 5 10 15
Ala Val Glu Arg Tyr Leu Lys Asp Gln
20 25

<210> 176
<211> 24
<212> PRT
<213> Artificial Sequence

<220>
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<400> 176
Gln Leu Thr Val Trp Gly Ile Lys Gln Leu Gln Ala Arg Ile Leu Ala
1 5 10 15
Val Glu Arg Tyr Leu Lys Asp Gln
20

<210> 177
<211> 23
<212> PRT
<213> Artificial Sequence

<220>
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<400> 177
Leu Thr Val Trp Gly Ile Lys Gln Leu Gln Ala Arg Ile Leu Ala Val
1 5 10 15
Glu Arg Tyr Leu Lys Asp Gln

20

<210> 178
<211> 22
<212> PRT
<213> Artificial Sequence

<220>
<223> Artificial Peptide

<400> 178
Thr Val Trp Gly Ile Lys Gln Leu Gln Ala Arg Ile Leu Ala Val Glu
1 5 10 15
Arg Tyr Leu Lys Asp Gln
20

<210> 179
<211> 21
<212> PRT
<213> Artificial Sequence

<220>
<223> Artificial Peptide

<400> 179
Val Trp Gly Ile Lys Gln Leu Gln Ala Arg Ile Leu Ala Val Glu Arg
1 5 10 15
Tyr Leu Lys Asp Gln
20

<210> 180
<211> 20
<212> PRT
<213> Artificial Sequence

<220>
<223> Artificial Peptide

<400> 180
Trp Gly Ile Lys Gln Leu Gln Ala Arg Ile Leu Ala Val Glu Arg Tyr
1 5 10 15
Leu Lys Asp Gln
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Asp Gln

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Gln Ala Arg Ile Leu Ala Val Glu Arg Tyr Leu Lys Asp Gln
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Ala Arg Ile Leu Ala Val Glu Arg Tyr Leu Lys Asp Gln
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Arg Ile Leu Ala Val Glu Arg Tyr Leu Lys Asp Gln
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Leu Ala Val Glu Arg Tyr Leu Lys Asp Gln
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Val Glu Arg Tyr Leu Lys Asp Gln
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Glu Arg Tyr Leu Lys Asp Gln

1 5

<210> 194
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<220>
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<400> 194
Arg Tyr Leu Lys Asp Gln
1 5

<210> 195
<211> 5
<212> PRT
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<400> 195
Tyr Leu Lys Asp Gln
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<400> 196
Leu Lys Asp Gln
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<210> 197
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<400> 197
Tyr Thr Ser Leu Ile His Ser Leu Ile Glu Glu Ser Gln Asn Gln Gln
1 5 10 15
Glu Lys Asn Glu Gln Glu Leu Leu Glu Leu Asp Lys Trp Ala Ser Leu
20 25 30

Trp Asn Trp Phe
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<210> 198
<211> 33
<212> PRT
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<220>
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<400> 198
Leu Ile His Ser Leu Ile Glu Glu Ser Gln Asn Gln Gln Glu Lys Asn
1 5 10 15
Glu Gln Glu Leu Leu Glu Leu Asp Lys Trp Ala Ser Leu Trp Asn Trp
20 25 30
Phe

<210> 199
<211> 31
<212> PRT
<213> Artificial Sequence

<220>
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<400> 199
His Ser Leu Ile Glu Glu Ser Gln Asn Gln Gln Glu Lys Asn Glu Gln
1 5 10 15
Glu Leu Leu Glu Leu Asp Lys Trp Ala Ser Leu Trp Asn Trp Phe
20 25 30

<210> 200
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<220>
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<400> 200
Leu Ile Glu Glu Ser Gln Asn Gln Gln Glu Lys Asn Glu Gln Glu Leu
1 5 10 15
Leu Glu Leu Asp Lys Trp Ala Ser Leu Trp Asn Trp Phe
20 25

<210> 201
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<400> 201
Gln Asn Gln Gln Glu Lys Asn Glu Gln Glu Leu Leu Glu Leu Asp Lys
1 5 10 15
Trp Ala Ser Leu Trp Asn Trp Phe
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<400> 202
Asn Asn Leu Leu Arg Ala Ile Glu Ala Gln Gln His Leu Leu Gln Leu
1 5 10 15
Thr Val Trp Gly Ile Lys Gln Leu Gln Ala Arg Ile Leu Ala Val Glu
20 25 30
Arg Tyr Leu Lys Asp Gln
35

<210> 203
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<400> 203
Asn Asn Leu Leu Arg Ala Ile Glu Ala Gln Gln His Leu Leu Gln Leu
1 5 10 15
Thr Val Trp Gly Ile Lys Gln Leu Gln Ala Arg Ile Leu Ala Val Glu
20 25 30
Arg Tyr Leu Lys Asp Gln
35